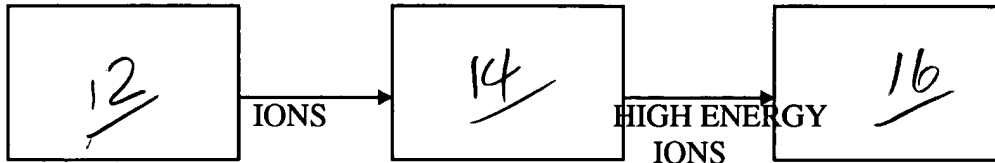


10

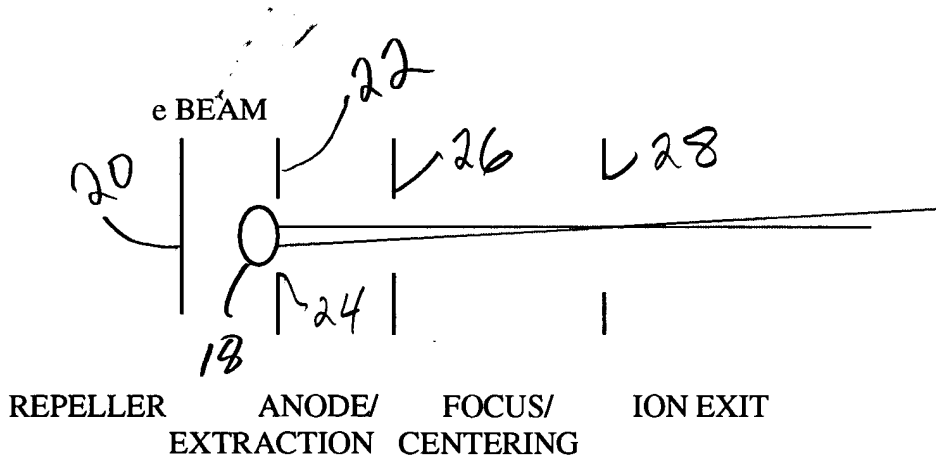


HIGH CURENT ELECTRON
BOMBARDMENT ION SOURCE

HIGH VOTLAGE
ACCELERATOR

THERMONUCLEAR
TARGET

Fig. 1



12

Fig. 2

source chamber output current Vs. pressure for
air(residual vacuum) and deuterium for 1mm and 3mm exit
slits

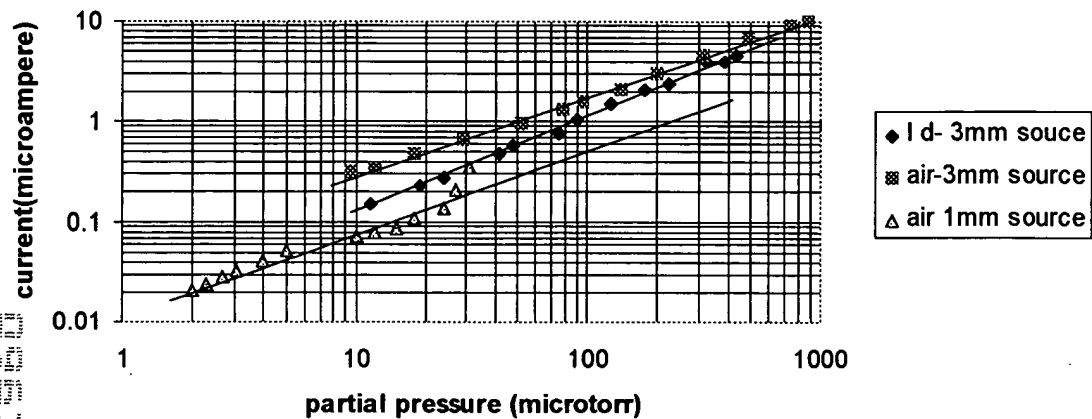


Fig. 3

d+ and d2+ occluded target yields Vs. acceleration voltage

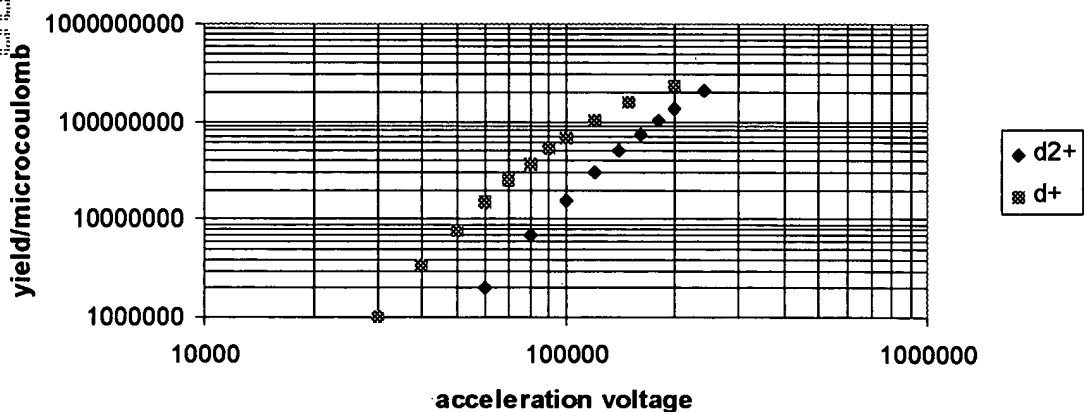
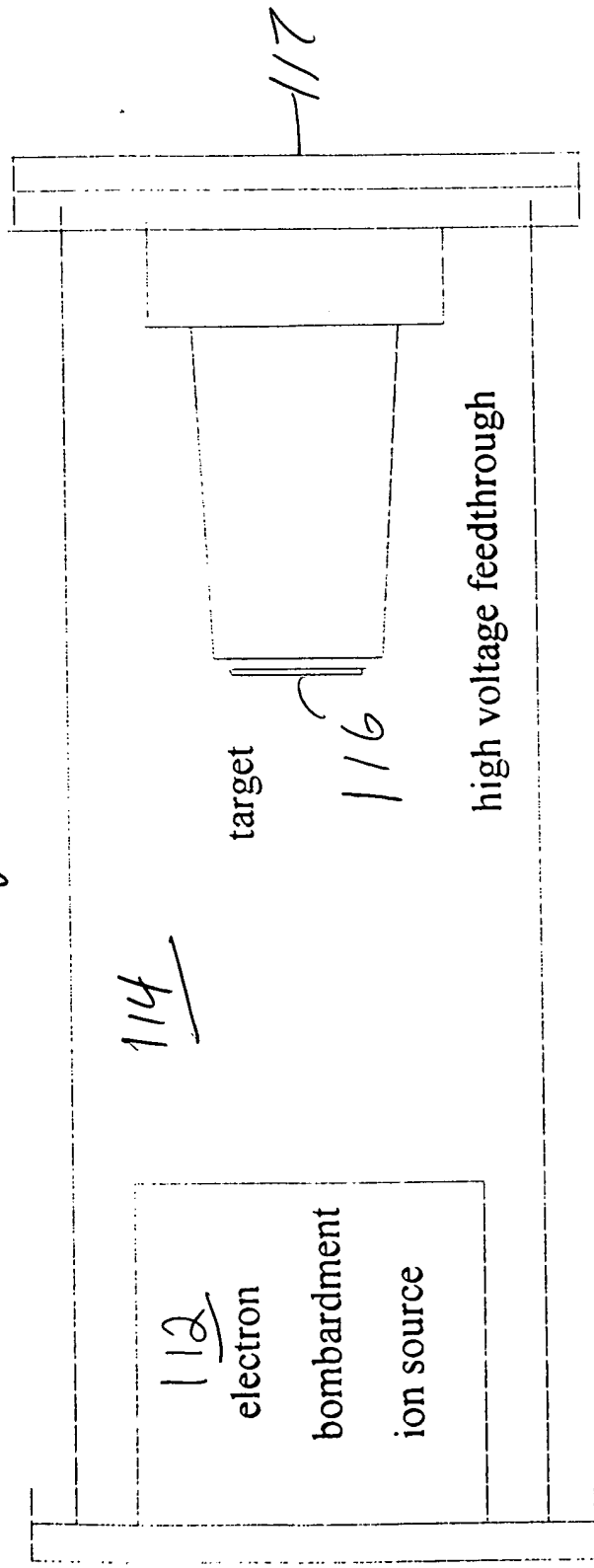


Fig. 4

1107



portable neutron generator for field use

Fig. 5

tissue neutron rate (nGy/hour @ 1cm) Vs. neutron emission rate

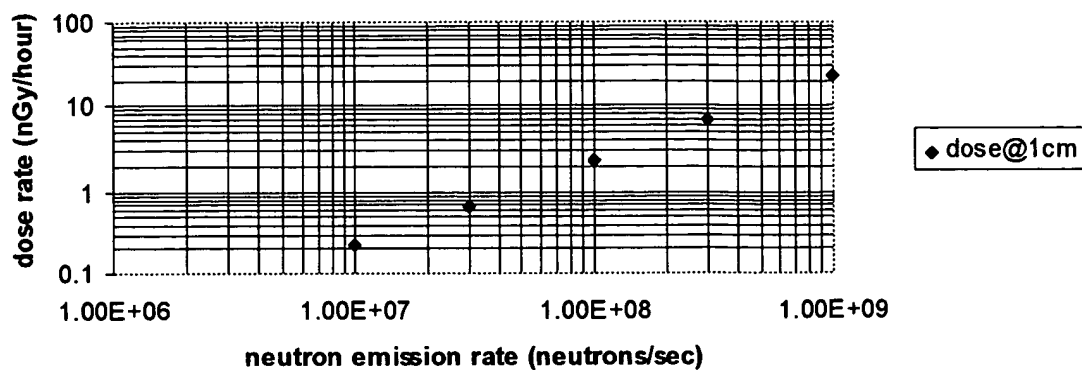


Fig. 7

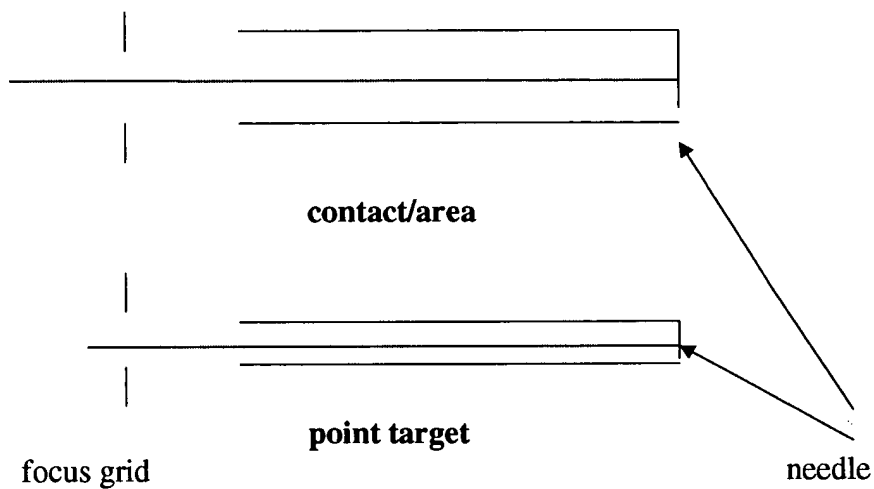


Fig. 8

normalized neutron fluence Vs. source to target distance

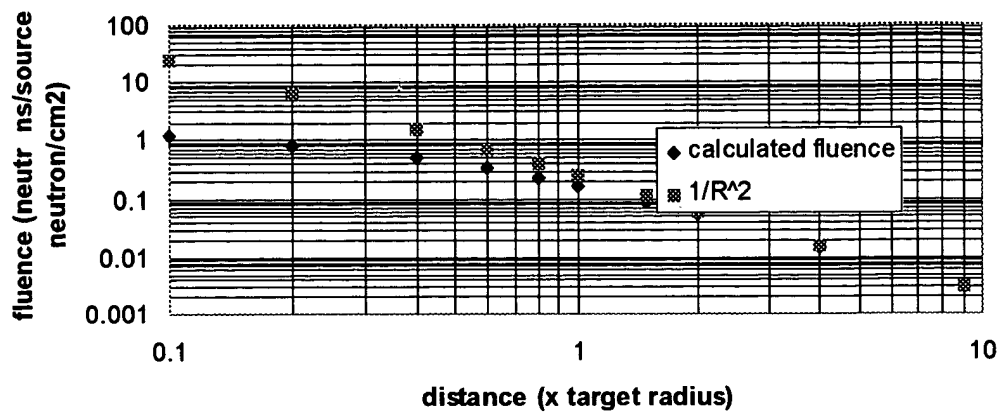


Fig. 9

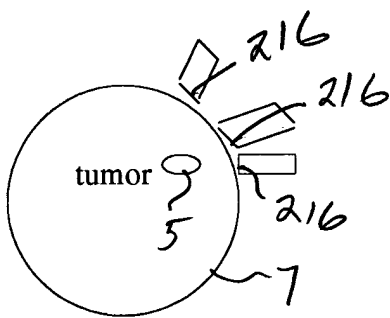


Fig. 10